

IPW



PATENT
Customer No. 22,852
Attorney Docket No. 04958-0008-08000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Casterman et al.)	
)	
Application No.: 10/751,826)	Group Art Unit: 1645
)	
Filed: January 5, 2004)	Examiner: not yet assigned
)	
For: IMMUNOGLOBULINS DEVOID)	
OF LIGHT CHAINS)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicant brings to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Some of the listed documents were previously submitted in prior applications, Serial No. 09/293,769, filing date April 19, 1999; Serial No. 08/471,282, filing date June 6, 1995; and Serial No. 08/106,944, filing date August 17, 1993, upon which applicants rely for the benefits provided in 35 U.S.C. § 120. Therefore copies of these documents are not provided. Copies of other listed documents are provided with this Information Disclosure Statement for the convenience of the Examiner.

Applicant respectfully requests that the Examiner consider all the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determines that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

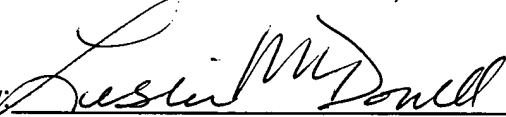
Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: July 1, 2004

By: 
Leslie A. McDonell
Reg. No. 34,872

INFORMATION DISCLOSURE CITATION

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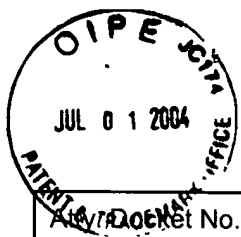
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
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	Eilat et al., "Secretion of a soluble chimeric $\gamma\delta$ T-cell receptor-immunoglobulin heterodimer," <i>Proc. Natl. Acad. Sci. USA</i> , 89: 6871-6875 (1992)
	Fanger et al., "Bispecific Antibodies," <i>Critical Reviews in Immunology</i> , 12(3,4):101-124 (1992)
	Froyen et al., "Bacterial Expression of a Single-Chain Antibody Fragment (SCFV) That Neutralizes the Biological Activity of Human Interferon- γ ," <i>Molecular Immunology</i> , 30(9): 805-812 (1993)
	Gorman et al., "Humanisation of Monoclonal antibodies for therapy," <i>Immunology</i> , 2: 457-466 (1990)
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	Köhler et al., "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> , 256: 495-497 (1975)
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	Lerner et al., "At the Crossroads of Chemistry and Immunology: Catalytic Antibodies," <i>Science</i> , 252: 659-667 (1991)
	Lipscombe et al., "Intranasal immunization using the B subunit of the <i>Escherichia coli</i> heat-labile toxin fused to an epitope of the <i>Bordetella pertussis</i> P.69 antigen," <i>Molecular Microbiology</i> , 5(6): 1385-1392 (1991)
	McCaffarty et al., "Phage antibodies: filamentous phage displaying antibody variable domains," <i>Nature</i> , 348: 552-554 (1990)
	Nuttall et al., "A naturally occurring NAR variable domain binds the Kgp protease from <i>Porphyromonas gingivalis</i> ," <i>CSIRO Health Sciences and Nutrition and CRC for Diagnostics</i> , Australia
	Plückthun, "Antibodies from <i>Escherichia coli</i> ," <i>Nature</i> , 347: 497-498 (1990)
	Prelli et al., "Franklin's Disease: Ig γ_2 H Chain Mutant Bur," <i>The Journal of Immunology</i> , 14B(3): 949-952 (1992)
	Radbruch et al., "Control of Immunoglobulin Class Switch Recombination," <i>Immunological Reviews</i> , 89: 69-83 (1986)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Roitt et al., "Antibody Structure and Function," in <i>Immunology</i> , Gower Medical Publishing, London, pp. 5.1-5.9 (1985)
	Roitt et al., "Molecules which Recognize Antigen," in <i>Immunology</i> , Gower Medical Publishing, London, pp. 5.1-5.11 (1989)
	Roux et al., "Structural analysis of the nurse shark (new) antigen receptor (NAR): Molecular convergence of NAR and unusual mammalian immunoglobulins," <i>Proc. Natl. Acad. Sci. USA</i> , 95: 11804-11809 (1998)
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	Sitia et al., "Developmental Regulation of IgM Secretion: The Role of the Carboxy-Terminal Cysteine," <i>Cell</i> , 60: 781-790 (1990)
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Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce



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U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	US 2003/0114659 A1	06/19/2003	Winter et al.	536	23.5	
	US 2003/0130496 A1	07/10/2003	Winter et al.	536	23.53	
	US 2004/0110941 A2	06/10/2004	Winter et al.	536	23.53	

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Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
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EP 0 368 684 B1	05/16/1990	Europe			
WO 88/01649	03/10/1988	PCT			
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Adetugbo et al., "Molecular analysis of spontaneous somatic mutants," <i>Nature</i> , 265: 299-304 (1977)
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Blier et al., "A Limited Number of B Cell Lineages Generates The Heterogeneity Of A Secondary Immune Response," <i>J. Immunology</i> , 139(12): 3996-4006 (1987)
Brandt et al., "Loss of Consensus Splice Signal in a Mutant Immunoglobulin Gene Eliminates the CH ₁ Domain Exon from the mRNA," <i>Molecular and Cellular Biology</i> , pp. 1270-1277 (1984)